HANDBOOK OF PHONOLOGICAL DATA FROM A SAMPLE OF THE WORLD'S LANGUAGES

A Report of the Stanford Phonology Archive

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	555 Javanese	555 Javanese	555 Javanese
5	01 p	18 n ⁰³	52 e
5	02 p-breathy voice	19 n-palatal ⁰³	[iota] ⁶⁰
5	04 t-dental	20 eng ⁰³	53 epsilon
5	05 t-dental-breathy voice	21 103	54 schwa ³²
5	07 t	22 1-breathy voice ⁰³ 33	55 a
5	08 t-breathy voice	(limited)	56 u
5	10 k	23 r-trill ⁰³ 04	57 o [upsilon] ⁶⁰
5	11 k-breathy voice	24 glottal stop ³⁰	
5	13 t/s ⁰¹	25 h ³¹	58 o-open
5	14 t/s-breathy voice ⁰¹		59 yod
5	16 s ⁰²		[V] 61
5	17 m ⁰³	51 i	(free)

- \$55 \$a Javanese \$d West Indonesian \$e Java \$f 45 million \$g Merritt Ruhlen \$g William A. Foley (review) \$g John Crothers (editor)
- 555 \$a Horne, Elinor C. \$b 1961 \$c Beginning Javanese \$g New Haven: Yale University Press
- \$55 \$a Uhlenbeck, E.M. \$b 1963 \$c Review of Beginning Javanese by E.C. Horne \$d Lingua 12.69-86
- \$55 \$a Uhlenbeck, E.M. \$b 1949 \$c De Structuur van het Javaanse Morpheem \$C The structure of the Javanese morpheme \$f Koninklijk Bataviasch Genootschap Van Kunsten en Wetenschappen: Verhandelingen: 78 \$g Bandoeng: A.C. Nix
- \$55 \$a Herrfurth, Hans \$b 1964 \$c Lehrbuch des Modernen Djawanisch \$f Lehrbuecher fuer das Studium der Orientalischen und Afrikanischen Sprachen.9 \$g Leipzig: VEB Verlag
- \$a BREATHY VOICE CONSONANTS \$a BREATHY VOICE VOWELS (NON-DISTINCTIVE) \$a LOWERED PITCH (NON-DISTINCTIVE) \$A The author describes the difference between /p/ and /p-breathy voice/ in terms of "light" consonants (/p/) vs. "heavy" consonants (/p-breathy voice/): "The light consonants are sharp and clear, while the heavy consonants have a murmured, fuzzy quality. In addition, the heavy consonants affect the vowel after them by making it a bit lower in pitch and giving it a breathy sound." (p.xxix) J.C. Catford (in Fundamental Problems in Phonetics, Indiana, 1977, p.203) indicates that the "heavy" consonants are voiceless, a point not contradicted anywhere by Horne. In other respects Catford seems to corroborate Horne.
- \$a INTONATION \$A "Sentences in Javanese, on the other hand, have certain characteristic accent patterns. Closely interwoven with sentence accent is sentence intonation—the pattern of pitches, or 'tune' of a sentence... Javanese speakers tend to accent the last syllable of an intonation group.... Sometimes, instead, they accent the next-to-last syllable. Most sentences have one accent to an intonation group, and if there is more than one such group, it is generally the predicate that receives the strongest accent.... It is generally true in Javanese, just as in English, that the highest pitch of a sentence coincides with the strongest accent, while other accented syllables also rise in pitch (though not so high as for strongly accented ones)." (p.xxvi)
- \$a PRENASALIZED STOPS \$A Horne analyzes prenasalized breathy voice stops as units. It is unclear why. Uhlenbeck (1963) points out that in intervocalic position they are clearly parallel to clusters of nasal + plain stop. Also, in word-initial position the nasal seems always to be a prefix. (Herrfurth, p.48ff) There are no morpheme initial clusters nasal + stop according to Uhlenbeck's (1949) lists. (JHC)
- \$555 \$a STRESS \$A "Javanese, unlike English, lacks word accent. It makes no difference which syllable of a Javanese word gets the loudest stress." (p.xxvi) Herrfurth, however, finds that stress falls on the penult, or final syllable if the penult has /schwa/. (p.19)
- 555 \$a SYLLABLE \$A (C)(C)V(C) \$A Uhlenbeck (1949) lists a number of morpheme-initial clusters with

C + /l, r-trill/. Also, in word-initial position, at least, clusters of masal + homorganic breathy voice stop occur as the result of prefixation. (See Herrfurth, p.48ff.)

- \$a VONELS \$A The analysis of the vowel system given by Horne differs considerably from that suggested by Uhlenbeck (1949). The latter (p.30ff) gives only six vowel phonemes, assigning Lepsilon, o-open to /e, o/ respectively, and Liota, upsilon to /i, u/ (rather than /e, o/, as done by Horne). Further Lo-open is also given by U. as an (overlapping) allophone of /a/. U's allophonic rules are as follows. Each vowel except /schwa/ has a higher and a lower variant, Li, e, o-open, u, ol and Liota, epsilon, a, upsilon, o-open respectively. Word-finally the higher variants occur in open syllables, the lower in closed syllables. In the prefinal syllable (1) /a/ is realized as Lo-open if the final syllable is open and contains Lo-open (A few types of intervening consonant clusters call for La instead.) Under any other conditions La occurs. (2) /e, o/ are realized as Lepsilon, o-open if the final syllable contains /i, u/ in open syllable or /schwa/ or an identical mid vowel in closed syllable, and also before limited types of consonant clusters. Otherwise Le, ol occur. (3) /i/ is realized as Liotal before certain consonant clusters, otherwise Le, ol occur. (3) /i/ is realized as Liotal before certain consonant clusters, otherwise Le, ol occur. (3) /i/ is realized as Liotal before certain consonant clusters, otherwise Le, ol occur. (3) /i/ is realized as Liotal before certain consonant clusters, otherwise Le, ol occur. (3) /i/ is realized as Liotal before certain consonant clusters, otherwise Le, ol occur.
- 555 01 \$A Exact place of articulation not specified for the affricates.
- \$4 /s/ is pronounced "like the 's' of 'see' but with the tongue pushed a little farther forward in the mouth, giving the [s] a slightly lisped quality." (p.xxxii)
- 555 03 \$A Exact quality of voicing not specified for the sonorants.
- 555 04 \$A /r-trill/ is described as "'rolled' 'r,' produced by vibrating the tongue tip against the alveolar ridge.... The more emphatically the person is speaking, the longer his 'r' sounds." (p.xxxii)
- 555 30 \$A "/glottal stop/, like /h/, occurs most frequently at the end of words." (p.xxxif)
- \$4 /h/ "occurs most commonly at the end of words seldom at the beginning or in the middle. In its usual final position, it sounds like a breathy continuation of the vowel that precedes it."

 (p.xxxii)
- 555 32 \$A "In certain positions, [/schwa/] is pronounced very quickly or drops out altogether; this happens in the combination 'se-' at the beginning of words, and also in the sequences 'C.schwa.l' and 'C.schwa.r' at the beginning of words or in the middle of long words." (p.xxix)
- 555 33 \$A Uhlenbeck (1963, p.75) says that /l-breathy voice/ only occurs in one or two exclamations.
- 555 60 \$A The mid vowels are raised before a word-final consonant. (p.xxixf) (But see note on vowel system for alternate interpretation.)
- 555 61 \$A /w/ "occasionally at the beginning of a word may sound like the [v] of 'vat.'" (p.xxxii)